

7.5 k promoter

Apa!

GGCCAAAGATTGAAAGCTAGATCTATTATGCACTGGGGCCGCGAATGGGCGGCCGCCAACGGCGGAA

Met Gly Pro Ala Ala Asn Gly Gly

tk coding sequence

pE/Ltk

synthetic E/L promoter

Not I

Apa!

GGCCAAAAATGAAATTTATTTTTTTTGGAAATAAAGCGGGCCGCATG GGC CCG GCC GCC AAC GGC GGA
Met Gly Pro Ala Ala Asn Gly Gly

tk coding sequence

FIGURE 1

THE
NEW
YORK
PUBLIC
LIBRARY

1. p7.5tk

7.5K PROMOTER

NOTI

APAI

5'-GGCCAAATAATTGAAAACCTAGATCTATTATTGACACGCCGCCGCCCATGGCCCCGCC-3'

2. p7.5/ATG0/tk

7.5K PROMOTER

NOTI

BAMHI

SMAI

PSTI

5'-GGCCAAATAATTGAAAACCTAGATCTATTATTGACACGCCGCCGCCGTGATCCCCGGGCTGCAGAA

TRANSLATION

TRANSCRIPTION

SALI

STOP CODONS

STOP SIGNAL

TTGGATAATCAAGCTTATCGATACCGCTCGACCTCGAGGGGGGCGCTAACTAATTGTTTGT

APAI

GGGCCCCGGCC-3'

3996-016

FIGURE 2

08935377, 092297

3. p7.5/ATGI/k

START

7.5K PROMOTER

NOTI

CODON BAMHI

SMAI

PSTI

5'-GGCCAAATAATTGAAAACTAGATCTATTATTGACACGGCGCCGCCATGgtGCATCCCCCGGCTGCAGGA

TRANSLATION

TRANSCRIPTION

SALI

STOP CODONS

STOP SIGNAL

TTGATATCAAGCTTATCGATACCGTCGACCTCGAGGGGGCCCTAACTAACTAATTTGTTTGT

APAI

GGGCCCCGGCC-3'

FIGURE 2 (CONT)

4. p7.5/ATG2/tk

START

7.5K PROMOTER

NOTI

CODON BAMHI SMAI PSTI

5'-GCCCAAAATTGAAAACTAGATCTATTATTGACACGGCGCCGCCAATGAGTGATCCCCCGGCTGCAGGAA

TRANSLATION

TRANSCRIPTION

SALI

STOP CODONS

STOP SIGNAL

TTCGATATCAAGCTTATCGATACCGTCCGACCCTCGAGGGGGGCTAACTAACTAATTTGTTTGT

APAI

GGGCCCCGGCC-3'

FIGURE 2 (CONT)

5. p7.5/ATG3/4k	7.5K PROMOTER	NOTI	CODON	BAMHI	SMAI	PSTI	START
5'-GGCCAAATAATTGAAAAACTAGATCTATTATTGACACGGCGCGCCGCAATGACGTGATCCCCGGGCTGCAGGAA							
SALI							
TRANSLATION							
STOP CODONS							
STOP SIGNAL							
TRANSCRIPTION							
TTCGATATCAAGCTTATCGATACCGTCGACCTCGAGGGGGGCGCTAACTAATTGTTTGT							
APAI							
GGGCCCCGGCC-3'							

FIGURE 2 (CONT)

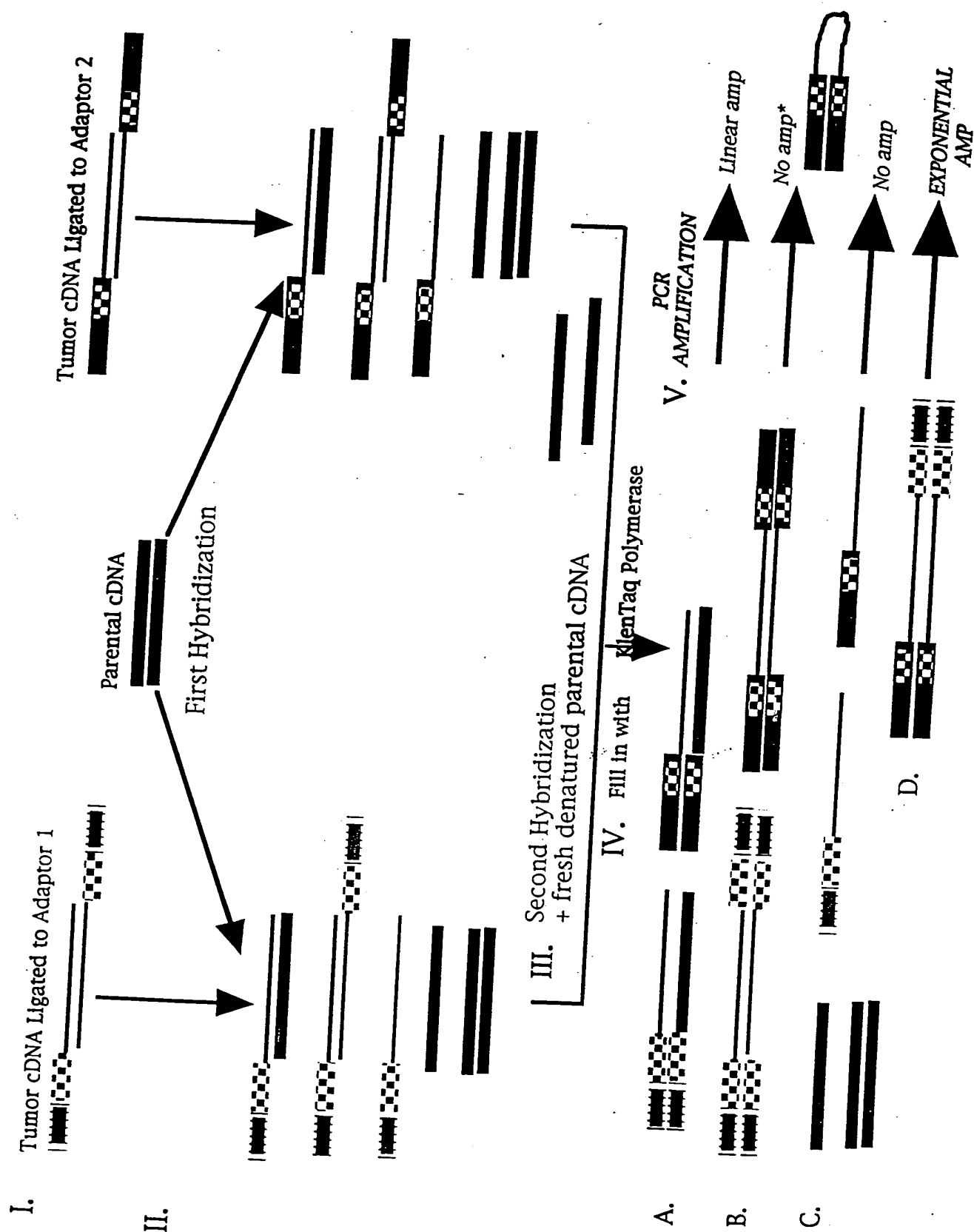


FIGURE 3

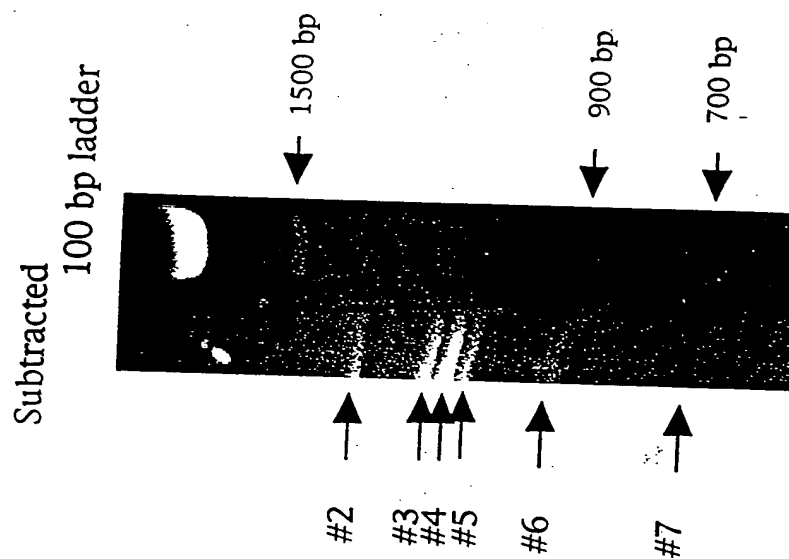


FIGURE 4

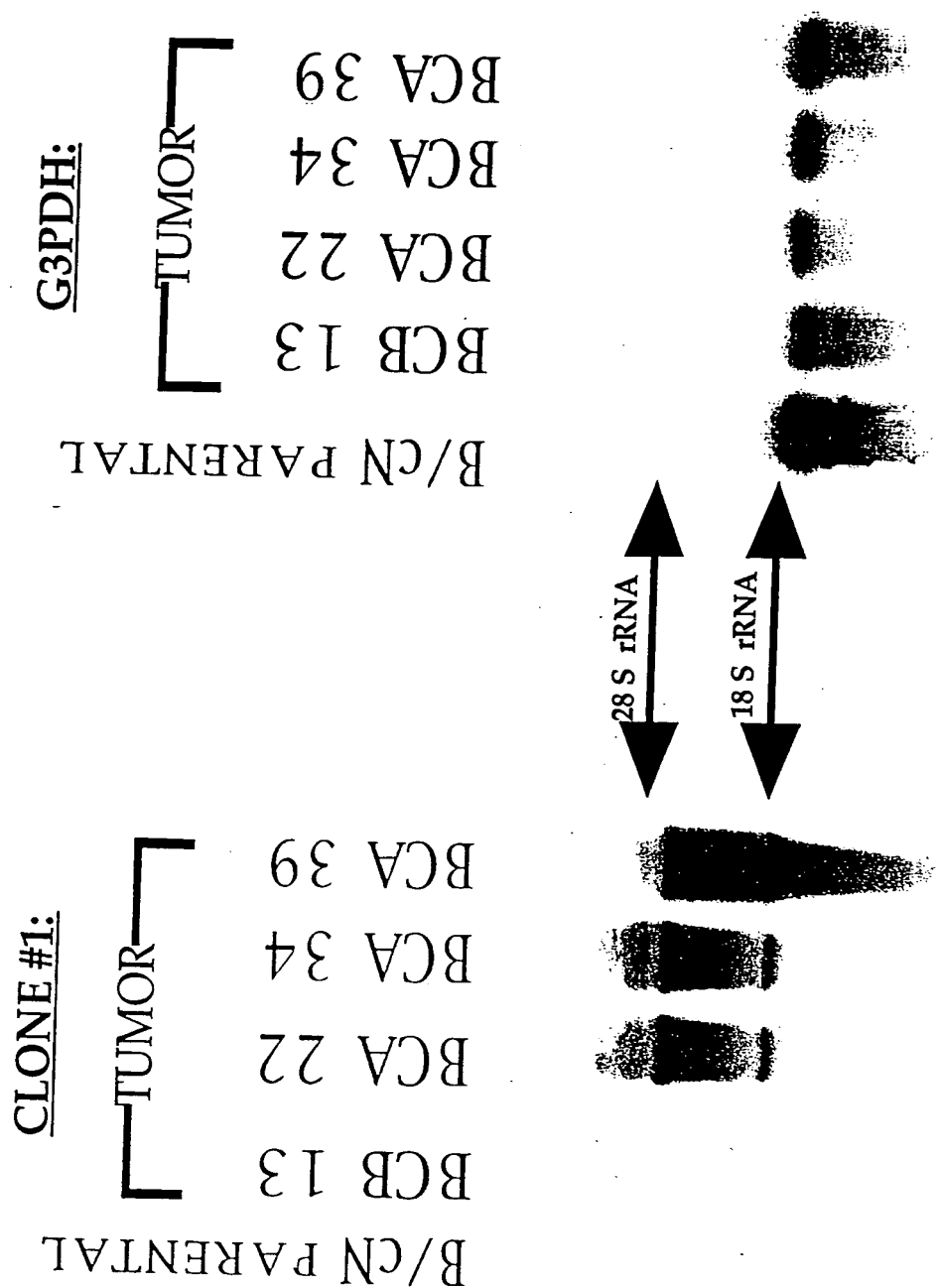


FIGURE 5

66260" / 66260

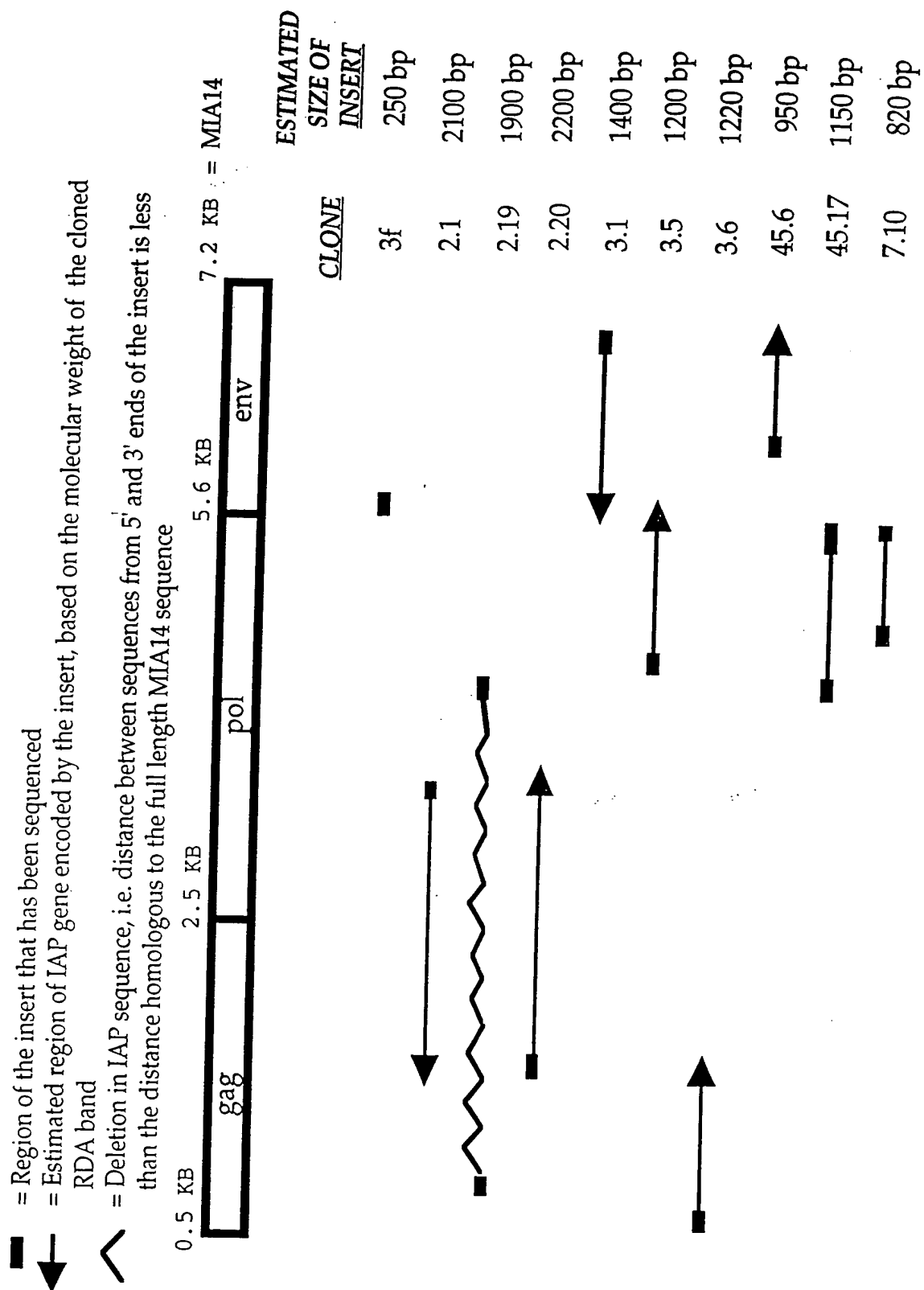
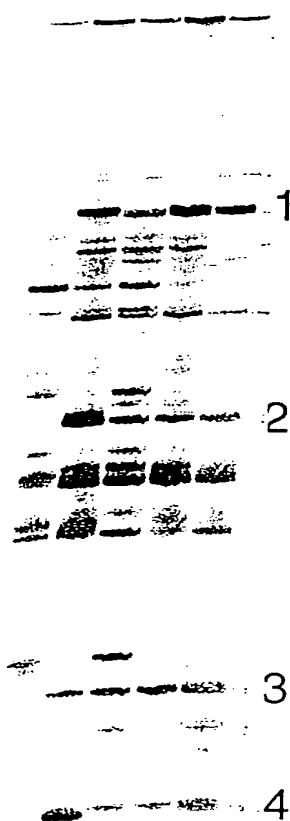


FIGURE 6

a b c d e



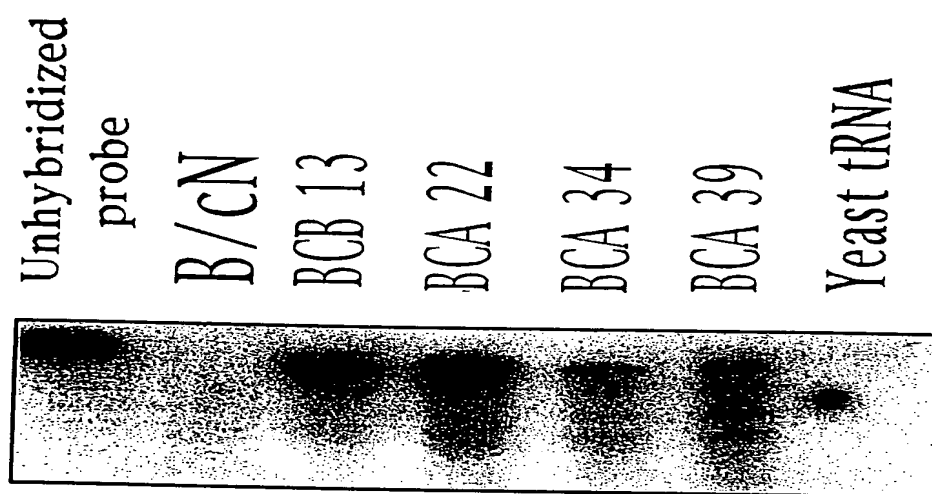
- a. B/c.N
- b. BCB 13
- c. BCA 22
- d. BCA 34
- e. BCA 39

PCR amplification with
primers MR_1 + MR_5.

Bands 1 to 4 are
examples of
differential display
in tumors.

FIGURE 7

A.



B.

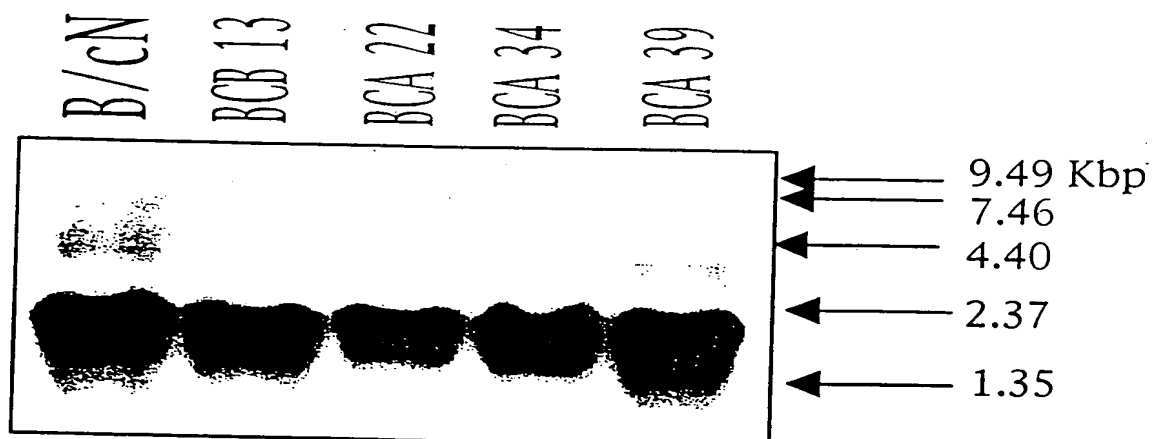


FIGURE 8

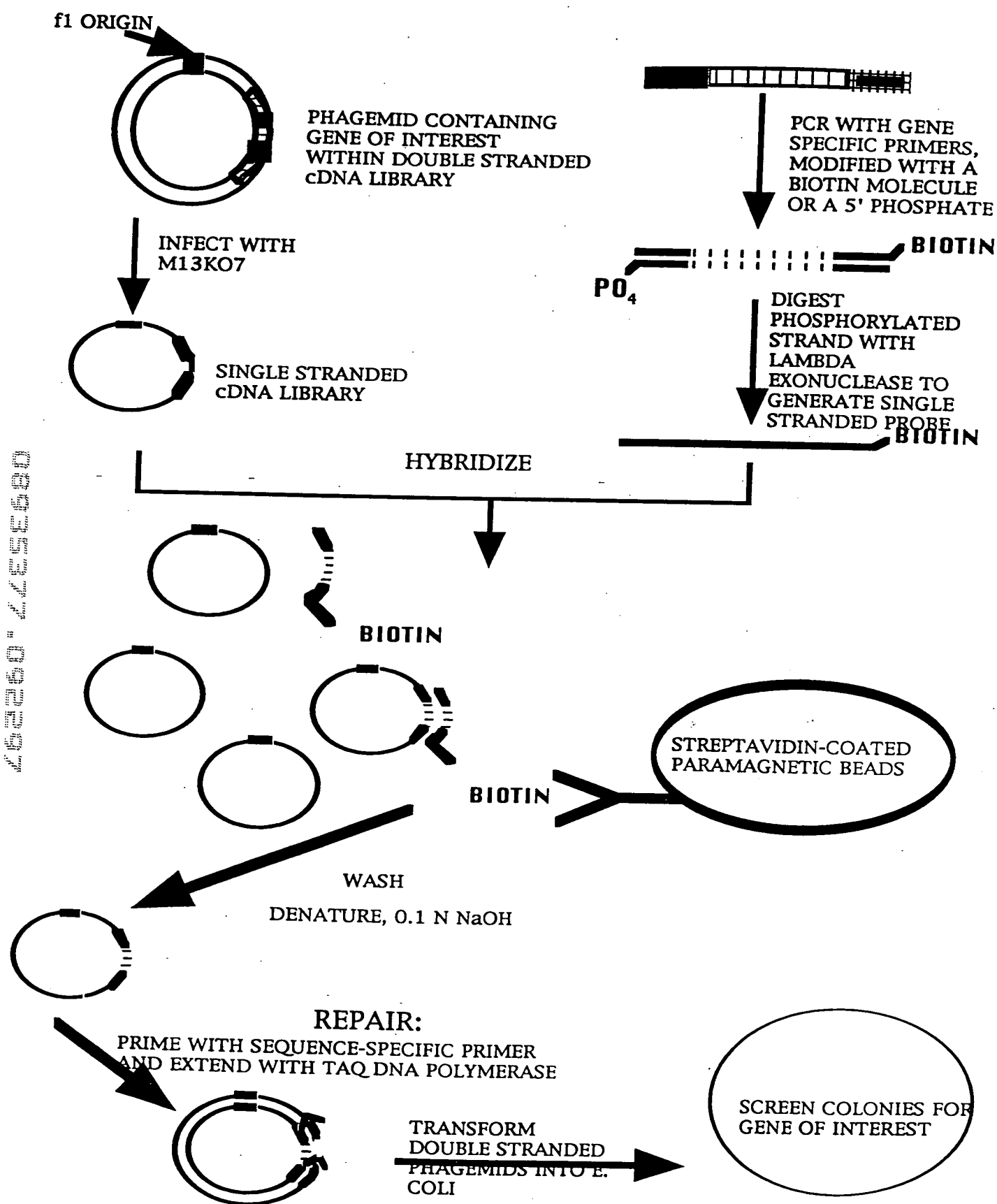


FIGURE 9

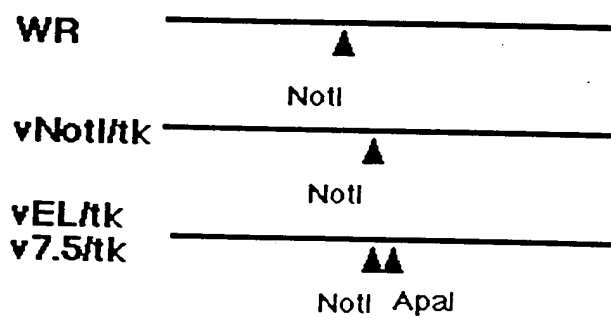
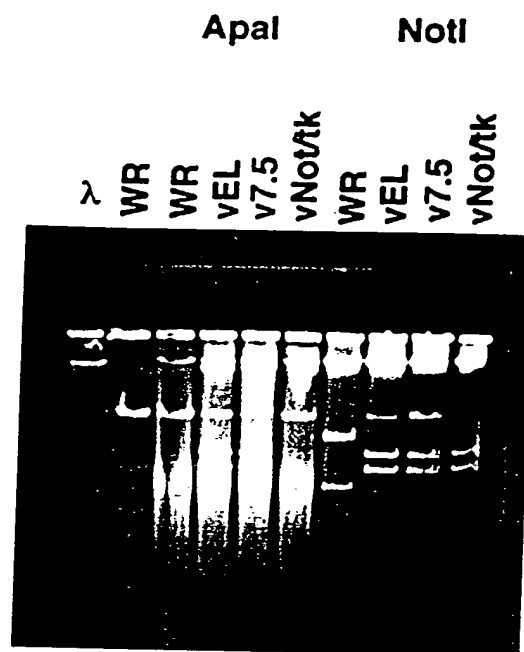


FIGURE 10

A

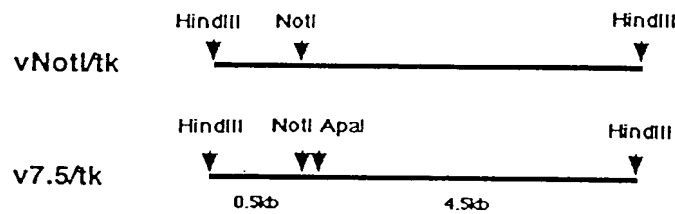
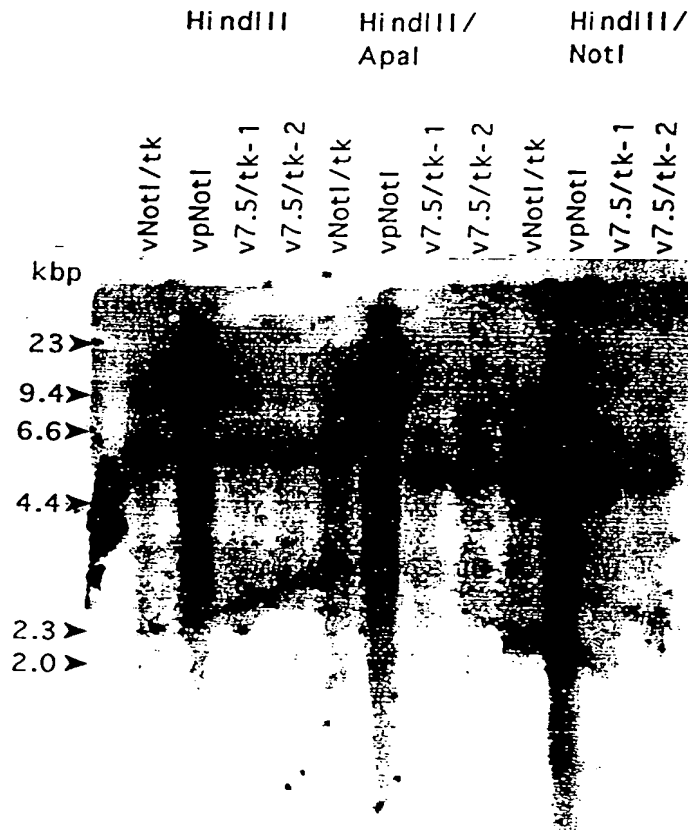


FIGURE 11

B

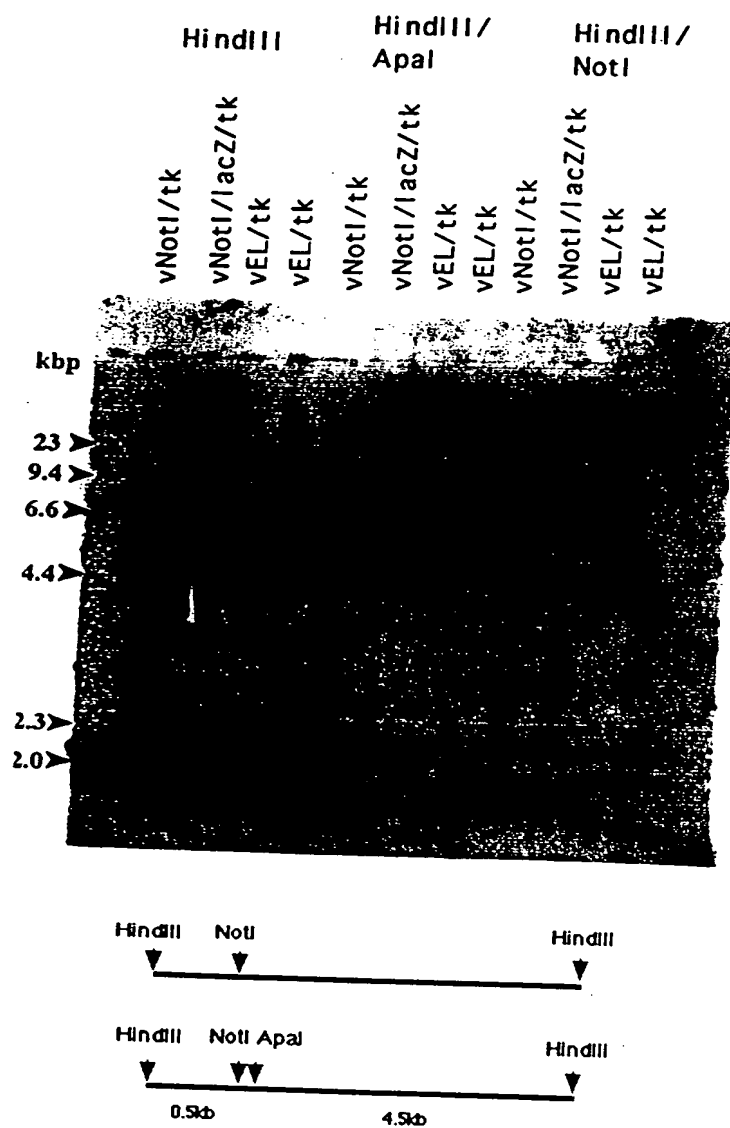


FIGURE 11

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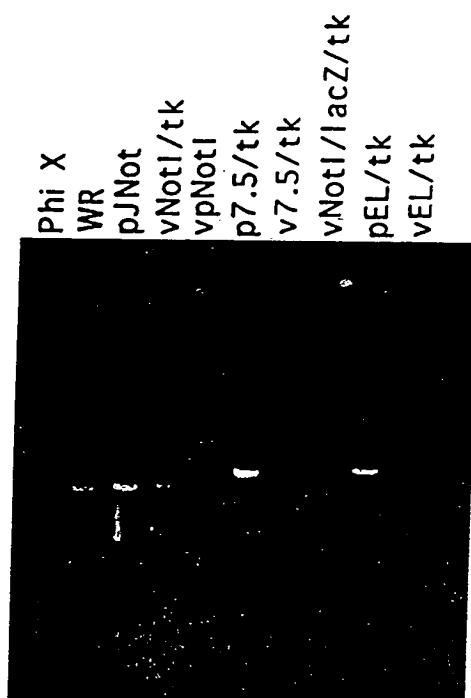


FIGURE 12

B-Glucoronidase Analysis of Recombinant Viruses

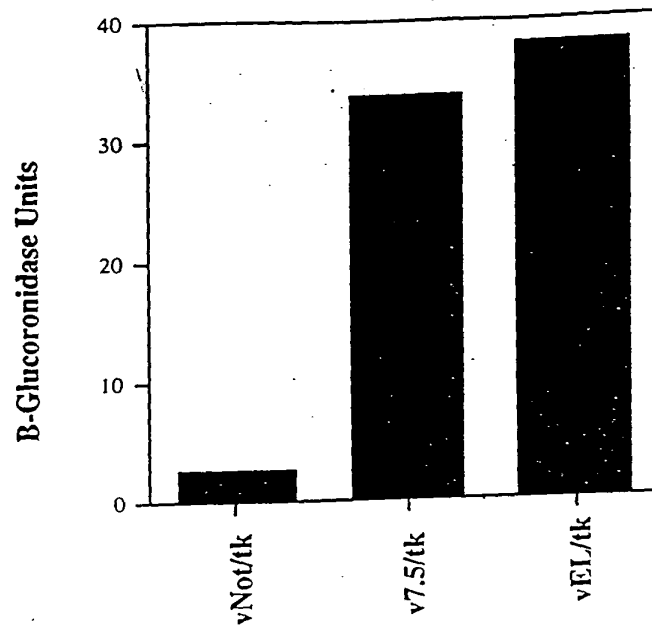


FIGURE 13

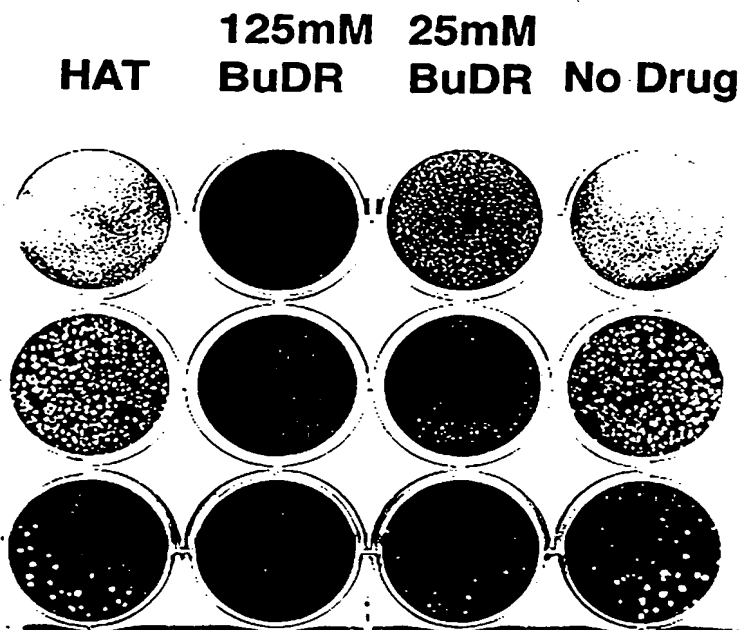


FIGURE 14